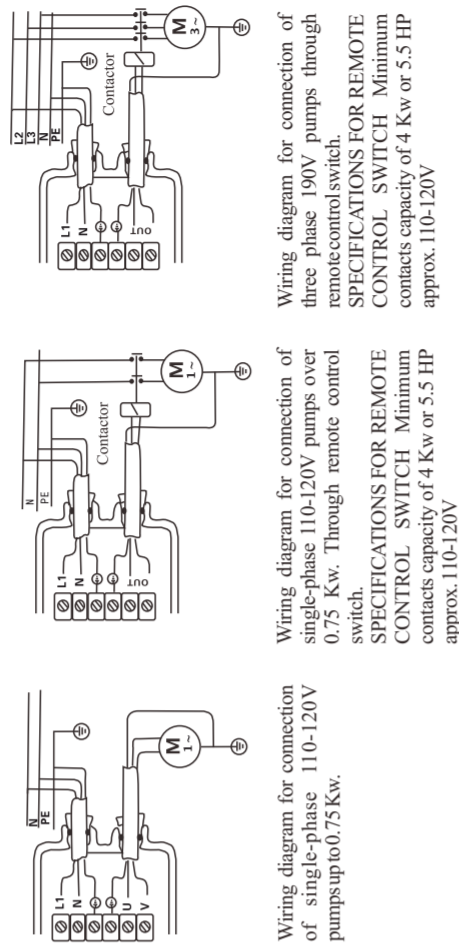
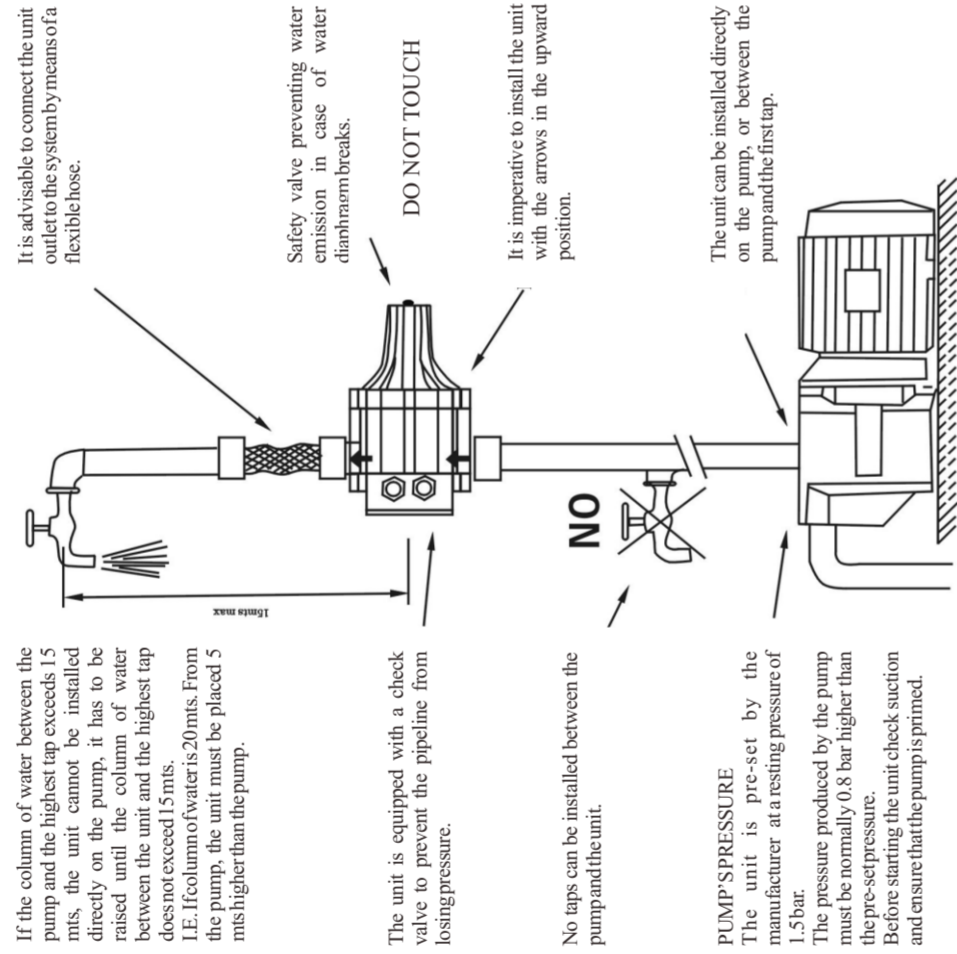


297.00 mm

INSTRUCTIONS FOR CORRECT UNIT INSTALLATION



WIRING DIAGRAMS FOR CONNECTING THE UNIT TO DIFFERENT KINDS OF PUMP'S MOTORS

Wiring diagram for connection of single-phase pumps up to 1.5 Kw.

Wiring diagram for connection of single-phase pumps over 1.5 Kw. Through remote control switch.

Wiring diagram for connection of three phase pumps through remote control switch.

The control's is set at its standard starting pressure as 1.5 bar (0.15 MPa) and starting pressure at 1.0 bar or 2.2 bar are also available upon requests.

The highest of water column (H)	Pump's pressure	Starting pressure
≤ 10 m	1.0bar (0.10MPa)	1.5bar (0.15MPa)
≤ 15 m	≥ 2.2bar (0.22MPa)	2.2bar (0.22MPa)
≥ 22 m	≥ 3.0bar (0.30MPa)	3.0bar (0.30MPa)

POSSIBLE WORKING DEFECTS

TYPE OF DEFECT	CAUSES DEPENDING ON THE UNIT	CAUSES NOT DEPENDING ON THE UNIT
-The pump does not stop	-The electronic card is broken	-Voltage failure -Pump jammed -Electric cables inverted (Line/motor)
-The pump does not stop	-The flow detector is blocked in the upper position -The button is blocked	-Presence of leaks which are higher than the minimum flow 0.6 l/min
-Intermittent working	-The electronic card is broken -The pump does not provide sufficient pressure	-Presence of leaks which are lower than the minimum flow 0.6 l/min
-The pump is jammed	-The electronic card is broken -The pump provides a pressure which is lower than the starting pressure	-Water failure -Suction problems

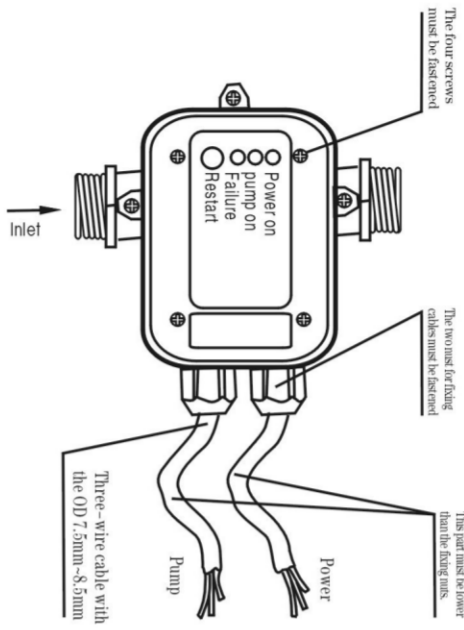
- 技术要求:**
1. 表面光洁平整，字迹清晰；
 2. 图片、颜色等均参照电子档。
 3. 该说明书需双面印刷。

210.00 mm

Automatic Control For Water Pump

UNIT STARTING AND WORKING

Warning
Never take the electronic board out of the control box.
The wiring diagram inside the terminal block will show you how to make correct connection. Wrong connection will destroy the whole electronic circuit.
Cable used for connection must be a three-wired one with compulsory grounding and it shall have the outer diameter at 7.5mm min and 8.5mm max. One of the leading end of the cable must be lower than the position of the fixing screws while the cable being connected to the power as shown in the Fig.
The four screws on the panel board and the two nuts for fixing cable must be well fastened to avoid water entering into the control box and damaging the electronic circuit.



STARTING
When the unit is connected to the electrical network, the green led "Power On" lights up and the yellow led "On" (pump in operation) 2 seconds later indicating that the pump has been started. The pump continues to operate for dozens of seconds enabling the system to fill in the pipes and to reach the required pressure.
If this lapse is insufficient, the red led "Failure" lights up. In this event, keep the "Reset" button pressed and wait, with amp opened, until the red led is off.
Once released the button and closed the tap, the unit stops the pump at its maximum pressure.

FUNCTIONING
① Introduction of the normal function
② Introduction of the timing automatic function
① When particular operational breakdowns occur, such as water failure, obstruction of the suction pipe etc., the unit recognize the breakdown and the red led "Failure" lights up; at the same time a stop signal is sent to the pump to prevent damages caused by its working in the absence of water. Rectification of the failure that have caused the blockage allows the system to be restarted by pressing the "Reset" button.
② When breakdowns occur, such as water failure, obstruction of the suction pipe etc., the unit can prevent damages caused by its working in the absence of water.
When there is no water supply in the system, the water pump will stop automatically after 20s running and the red led will light. The water pump runs automatically for 40s after stopping for 10s and checks the water supply. If there is no water supply, the water pump will stop automatically for 40s after stopping for 10s again and checks the water supply. If there is still no water supply, the water pump will stop automatically and turn to the dry-running protection status.
After 24 hours, the pump will start automatically and repeat the above procedure.
During stopping the pump, the water pump will start automatically if the flow through the controller is more than the starting flow.

SPECIFICATIONS

Input voltage: 110-120V 220-240V 110-240V
Maximum working pressure: 10bar Frequency:
Max working temperature: 60° C Intensity Max:
Connection: R1" / NPT" male Protection rating:
50/60Hz
10A
IP65

设计	工艺	审核	标准化	批准
标记	处数	更改文件号	签名	日期
a	换图			

80g铜版纸

英文说明书
(1.0bar 1.5bar 2.2bar 通用)

DK01441472

图样标记	重量	比例
		1:1
共 1 页	第 1 页	

江苏环科科技发展股份有限公司